



## APPLICATION

These PVC (screened) cables are used in industrial applications for signal transmission. They can be easily used with their flexible construction in narrow applications like: electronic control systems of computer or audio systems or in communication sector, electronic circuits, measurement devices, machine design, office equipment, etc. Screening protects the cable from the outer electrical effects.



- Number of cores x Nominal cross section: 3x1.00 mm<sup>2</sup>
- Rated voltage (U): 500V
- Applicable standards: DIN VDE 0812, TS 13755

## CONDUCTOR

- Material of conductor: Stranded electrolytic bare copper (Class 5)
- Applicable standard: EN 60228, IEC 60228

## INSULATION AND STRANDING

- Material of insulation: PVC (Polyvinyl chloride) acc. to EN 50290-2-21 TI 51
- Thickness of insulation: 0.40 mm
- Diameter of insulation: 2.10 mm
- Color of insulation: acc.to DIN 47100 White – Brown – Green
- Lay up: In layers of optimum pitch

## SEPARATOR AND SCREEN

- Material of separator: PET (Polyester tape)
- Separator tape structure (width x thickness): 20 x 0.023 mm
- Screen type: Tinned copper wire braid (%55 ±3 coverage)



## SHEATH

- Material of sheath: PVC (Polyvinyl chloride) acc. to EN 50290-2-22 TM 51
- Thickness of sheath: 0.70 mm
- Overall cable diameter (approx.): 6.30 mm
- Color of sheath: Grey (RAL 7032)

## TECHICAL DATA AND SPECIFICATIONS

- Maximum resistance of the conductor at 20 °C: 19.50 ohm/km
- Current carrying capacity: 16A
- AC Test voltage: 1200V
- Minimum insulation resistance: 200 MΩ.km
- Maximum mutual capacitance: 130 nF/km
- Minimum bending radius during laying: 10xCable Ø mm
- Weight of cable (approx.): 62 kg/km
- Temperature range (mobile): -5 / +70 °C
- Temperature range (stable): -30 / +70 °C
- Flame propagation test on single cable: EN 60332-1-2, IEC 60332-1-2



-5 / +70 °C  
Temperature  
range (Mobile)



-30 / +70 °C  
Temperature  
range (Stable)



Flexible cable



EN-IEC 60332-1-2  
Flame test  
standard



RoHS  
Compliance



REACH  
Compliance



European  
Conformity



Eurasian  
Conformity